

Leading the Launch



IDAHO NATIONAL ENGINEERING AND ENVIRONMENTAL LABORATORY

*Delivering a payload of
responsive technologies*



Technology Deployment



HOME OF SCIENCE AND ENGINEERING SOLUTIONS



Rapid Geophysical Surveyor

Problem

INEEL's Idaho Nuclear Technology and Engineering Center Remediation project needed to locate discarded gas cylinders in a buried waste site.

Baseline Technology

Manual layout of grid, hand survey, and drafting of map.

Innovative Technology

The Rapid Geophysical Surveyor integrates magnetic sensor with global positioning data to produce maps locating subsurface metal objects.

Comparison

This automated surveyor simplifies the preparation of magnetic maps that locate buried metal objects.

Benefits

This system enabled the project to accelerate schedule and obtain a more detailed magnetic map of the buried waste site.